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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 10/750,668 12/31/2003 In-Ki Hwang 11038-158-999 24341 7590 07/27/2004 EXAMINER MORGAN, LEWIS & BOCKIUS, LLP. KWON, JOHN 2 PALO ALTO SQUARE PALO ALTO, CA 94304 ART UNIT PAPER NUMBER

3747

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Antique Company	10/750,668	HWANG, IN-KI	
Office Action Summary	Examiner	Art Unit	
	John T. Kwon	3747	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	ith the correspondence address	S
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ly within the statutory minimum of thi will apply and will expire SIX (6) MOI e, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this commun BANDONED (35 U.S.C. § 133).	ication.
Status			
1) Responsive to communication(s) filed on	<u>_</u> .		
2a) ☐ This action is FINAL . 2b) ☐ This	s action is non-final.		
3) Since this application is in condition for allowa	nce except for formal mat	ters, prosecution as to the mer	its is
closed in accordance with the practice under I	Ex parte Quayle, 1935 C.[D. 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or		•	
Application Papers			
9) The specification is objected to by the Examine	er.		
10)☐ The drawing(s) filed on is/are: a)☐ acc	cepted or b) objected to	by the Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	· · · · · · · · · · · · · · · · · · ·	• •	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in A rity documents have beer u (PCT Rule 17.2(a)).	Application No received in this National Stag	e
Attachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>5/6/04</u>. 		nformal Patent Application (PTO-152)	1

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DETAILED ACTION

Claim Rejections - 35 USC § 112

Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Phrase "can be" is vague and indefinite.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Nilsson (US 3 765 381).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nilsson (US 3 765 381). Nilsson discloses an auxiliary combustion chamber located at the upper cylinder portion with a

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valve by the cam. The difference between the prior art reference and the instant invention is the duration of the valve opening. It would have been considered to be an obvious choice of mechanical design because one skilled in this art is familiar with basic injection fuel/combustion mechanic and normally has the laboratory test facilities. To optimize or select the suitable duration of the auxiliary combustion chamber would be within the ability of ordinary skilled in this art.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John T. Kwon whose telephone number is (703) 308-1046. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on (703) 308-1946. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7766.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

John T. Kwon Primary Examiner

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